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PAGE 01/03

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IN THE UNITED STATES PATENT AND TRADEMARKS OFFICE

Applicant(s): Elaine L. Jacobson, et al.
Serial Number: 09/836,576
Filed: April 16, 2001
For: METHOD FOR IDENTIFYING REGULATORS OF PROTEIN-ADVANCED GLYCATION END PRODUCT (PROTEIN-AGE) FORMATION
Art Unit: 1651
Examiner S. E. Saucier

August 18, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

LETTER RE: INTERVIEW

In preparation for telephone interview on August 19, 2003 at 3:00 p.m. here is a proposed claim for your review.

PROPOSED CLAIM

1. A method for determining if a substance is an inhibitor of protein glycation, comprising:
 - (i) admixing ADP-ribose and histone H1 and determining fluorescence,
 - (ii) admixing ADP-ribose, histone H1, and said substance, and determining fluorescence,
 - (iii) comparing measured fluorescence in (i) and (ii), wherein a decrease in measured fluorescence in (ii) as compared to (i) is indicative of a possible protein glycation inhibitor,
 - (iv) combining said possible protein glycation inhibitor with AGE-BSA, and measuring fluorescence,
 - (v) measuring fluorescence of an amount of AGE-BSA equal to that in (iv)

- (vi) comparing fluorescence in (iv) and (v), wherein a decrease of fluorescence in (iv) as compared to (v) is indicative of a false positive, which quenches AGE fluorescence, and
- (vii) combining said substance if it does not quench AGE fluorescence with a protein, and determining damage done to said protein by said substance, wherein a lack of said damage indicates said substance is an inhibitor of protein glycation.

Respectfully submitted,

Fulbright & Jaworski L.L.P.



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